

The background of the slide is a dark purple gradient. On the right side, there is a cluster of overlapping circles in various colors including teal, yellow, orange, and pink. The text is positioned on the left side of the slide.

Searching the facts: Open Search Method

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From manual to mechanical...

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Boolean Queries

LIMIT YOUR RESULTS WITH

x AND y

Both *x* and *y* will match in the result.

LIMIT YOUR RESULTS WITH

x OR y

Both *x* and *y* will match in the result.

LIMIT YOUR RESULTS WITH

x NOT y

Both *x* and *y* will not match in the result.

LIMIT YOUR RESULTS WITH

“text”

Search for the entire phrase.

ALL

All of the terms entered must appear in the result; a logical AND of all of the entered terms.

ANY

One of the terms entered must appear in the result; a logical OR of all of the entered terms.

NONE

None of the terms entered must appear
in the result; a logical NOT of all
of the entered terms

+ term

term is required in the result.

- term

term is not required in the result.

These simple operators can approximate more complex full Boolean syntax. For example, $x \text{ AND } y$ could be entered as $+x +y$. $x \text{ AND NOT } y$ could be entered as $+x -y$. $x \text{ AND } (y \text{ OR } z)$ could be entered as $+x y z$, assuming the search engine defaults to a Boolean OR of terms.

The behaviour may not be exactly the same,
and depends greatly on the search engine,
but this syntax is clearly a simple
and effective alternative to full
Boolean expressions.

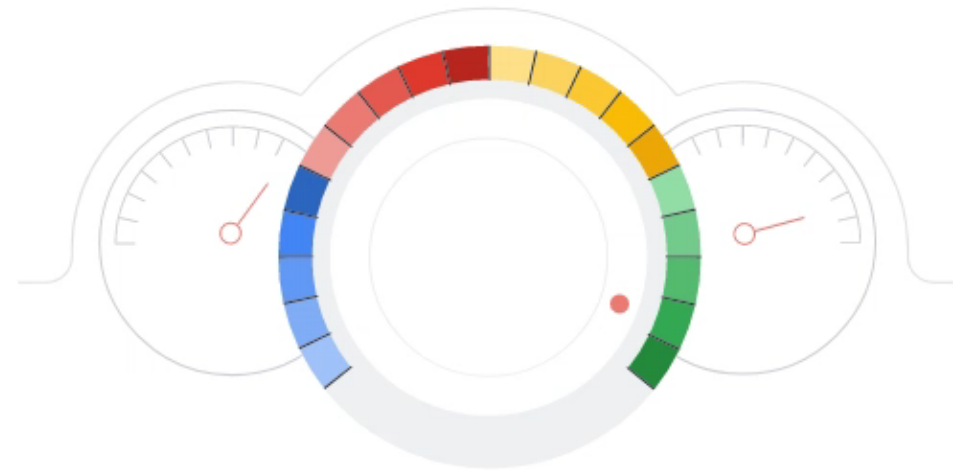
In a *keyword* query, the terms the user enters are used literally to retrieve any document that has all or any of those terms. The terms are not programmatically changed in any way, and match exactly only on themselves. Although effective, this mode is very restrictive.

Statements, also called full sentence queries, are grammatical sentences (including questions) or sentence fragments.

If you want to search from a specific site you need to type `site:mathrubhumi.com` term.

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Assumptions and Questions

Evaluation